



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

BARCLAY

Serial No.: Not Yet Assigned

Filed:

Atty. File No.: 2997-4-1-1-2-1

For: "METHOD FOR PRODUCTION OF  
ARACHIDONIC ACID"

) Group Art Unit: 1651

) Examiner: Herbert J. Lilling

) INFORMATION DISCLOSURE  
) STATEMENT

) *Via Express Mail: EV 368035195*

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

Dear Sir:

Pursuant to Applicants' duty of disclosure under 37 CFR § 1.56 and 37 CFR §§ 1.97-1.98, Applicants hereby submit the enclosed PTO Form 1449. The documents identified herein were of record in U.S. Patent Application Serial No. 09/972,550 and since the above-identified patent application is a continuation thereof, copies of the identified documents are not being submitted under 37 CFR § 1.98(d). Applicants do not admit that any of such documents, alone or in any combination, are considered to be material to patentability as defined in 37 CFR § 1.56(b). Moreover, the inclusion of these documents is not to be construed as an admission by Applicants that each such document is prior art as to the above-identified patent application.

Respectfully submitted,

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Date: March 4, 2004

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 2997-4-1-1-2	SERIAL NO. 09/972,550
	APPLICANT BARCLAY	
	FILING DATE OCTOBER 5, 2001	GROUP ART

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
	1	5,204,250	4-20-93	SHINMEN ET AL.	435	134	
	2	5,518,751	5-21-96	DE BOER ET AL.	426	585	
	3	5,658,767	8-19-97	KYLE	435	434	
	4	5,550,156	8-27-96	KYLE	514	547	
	5	5,374,657	12-20-94	KYLE	514	547	
	6	4,783,408	11-8-88	SUZUKI ET AL.	435	134	
	7	5,583,019	12-10-96	BARCLAY	435	134	
	8	5,882,703	3-16-99	BARCLAY	426	7	
	9	6,245,365	6-12-01	BARCLAY	426	7	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	10	WO 92/13086	08/06/92	PCT				
	11	WO 91/07498	05/30/91	PCT				
	12	WO 96/21037	07/11/96	PCT				
	13	WO 94/28913	12-22-97	PCT				
	14	EP 0 276541A	8-3-88	EP				
	15	DE 3920679 A1	12-27-90	Germany (English abstract)				
	16	JP 01304892	12/8/89	Japan			X	
	17	JP 163142	06-1993	Japan			X	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

17	Bajpai et al. pp. 1-10, 1992, <i>Biotechnol. Appl. Biochem.</i> , Vol. 15
18	Bajpai et al., pp. 1255-1258, 1991, <i>App. Environ. Microbiol.</i> , Vol. 57, No. 4

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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	19	Bajpai et al., pp. 775-780, 1991, <i>JAOCS</i> , Vol. 68, No. 10
	20	Computer Abstract JP63296665 Seven Tech KK Pub December 1988
	21	Computer Abstract Yoshio JP06271464 Pub Sept 1994
	22	Gandhi et al., pp. 1825-1830, 1991, <i>J. Gen. Microbiol.</i> , Vol. 137
	23	Kendrick et al., pp. 15-20, 1992, <i>Lipids</i> , Vol. 27, No. 1
	24	Radwan, pp. 421-430, 1991, <i>Appl. Microbiol. Biotechnol.</i> , Vol. 35
	25	Sajbidor et al., pp. 455-456, 1990, <i>Biotechnol. Letters</i> , Vol. 12, No. 6
	26	Shinmen et al., pp. 11-16, 1989, <i>Appl. Microbiol. Biotechnol.</i> , Vol. 31
	27	Shimizu et al., pp. 509-512, <i>Lipids</i> , Vol. 27, No. 7
	28	Shimizu et al., pp. 254-258, 1991, <i>JAOCS</i> , Vol. 68, No. 4
	29	Shimizu et al., pp. 342-347, 1989, <i>JAOCS</i> , Vol. 66, No. 3
	30	Shimizu et al., pp. 1455-1459, 1988, <i>JAOCS</i> , Vol. 65, No. 9
	31	Totani et al. pp. 52-60, in <u>Industrial Applications of Single Cell Oils</u> (Kyle, J. ed.), 1992, American Oil Chemists' Society, Champaign, ILL
	32	Totani et al., pp. 1060-1062, 1987, <i>Lipids</i> , Vol. 22, No. 12
	33	APS ABS. J57-86254, Fujita et al., May 29, 1982.
	34	APS ABS J06-271464, Shimizu Sept. 27, 1994.
	35	APS ABS J07-59540 Shimizu Mar 7, 1995.
	36	Yamada et al., <i>J. Disp. Sc. Techn.</i> , 10(4&5):561-579 (1989)
	37	Translation of Yamada et al., a company publication of Daiichi Kogyo Yakuhin, which publication was received by the Japanese National Diet Library on July 12, 1990 and available to the public shortly after said date

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